

# USCMS Engineer Status Report for August 2004

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## 1 Work Performed This Month

First, I apologize for the late submission of this report. I didn't get some block time to review what I had done in a month until now.

### 1. Globus RLS + POOL

(1). I installed and configured POOL 1.7.0 at FNAL; (2). Spent quite some time to learn scram, how to configure the scram toolbox so that scram knows where to find the needed header files and libraries and how to write and compile applications using scram. (3). Wrote a dummy POOL class to connect with Globus RLS, compiled and ran fine. Since Robert at ISI really wanted to write the class, I stopped working on it; (4). Spent some time to review and comment on Robert's note on POOL + RLS integration; (5). Participated in a meeting with Lothar, Ann, Robert and Shishir on Globus RLS to include GUID and integrate with POOL; (6). Help Robert to get an account at Fermilab and setup the SCRAM+POOL environments;

### 2. File transfer

(1). Finished writing the scripts to output data from Fermilab—using Fermilab as the data source—using TMDB V1; (2). Worked with Jerry and Tried to work on prepare the checksum for the exporting of Fermilab data using the written scripts. Late we didn't get assignment to transfer files to other centers, though. (3). Transferring files assigned from CERN to Fermilab, solved various problems happened during the transfer: srm server down, network down, dCache issues, etc.; (4). Helped Timur to debug the new version of srm server; (5). With the suggestion from Robert Harris, I

transferred the reconstruction test data samples from cern to Fermilab. And Robert was able to analysis program using the data samples.

3. MDS work (1). A little time was spent on the interoperation between LCG and Grid3; (2). Helped Timur with putting srm info into MDS;

## **2 Status of Deliverables**

1. I finished the dummy POOL class to connect with Globus RLS(not connect); 2. Finished working on the script to output data from Fermilab using TMDB V1;

## **3 Plans For Next Month**

1. Work with Robert at ISI to make sure POOL works with Globus RLS backend, conducting unit test; 2. Start to work on the gLite with Nate from Wisconsin; 3. Finish the PHEDEX file transfer scripts using TMDB V2 script;

## **4 Longer Term Plans**

Need talk with the management.

## **5 Resources Needed**

None.

## **6 Links To Supporting Documentation**

- None.